



United States Steel Corporation  
Clairton Works  
400 State Street  
Clairton, PA 15025-1855

42-003-60032

February 3, 2003

Dr. Roger C. Westman  
Department of Air Quality  
Bureau of Air Pollution Control  
301 Thirty-Ninth Street  
Pittsburgh, PA 15201

U.S. Environmental Protection Agency  
Region III  
Air, Radiation & Toxics Division  
1650 Arch Street  
Philadelphia, PA 19103-2029  
ATTN: James W. Hagedorn (3AT23)

Assistant Council  
Department of Environmental Protection  
Southwest Region  
400 Waterfront Drive  
Pittsburgh, PA 15222-4745  
ATTN: Ward Kelsey, Esq.

Department of Justice  
Environmental and Natural Resource Division  
Environmental Enforcement Section  
P.O. Box 7611  
Ben Franklin Station  
Washington, D.C. 20044  
ATTN: David Street, Esq.

Subject: USS Reference Number: 03-0010  
Sulfur Plant  
USS Clairton Works

Gentlemen:

The attached form revises and terminates the subject incident. Any questions concerning this matter should be referred to Coleen M. Davis at 233-1015.

Sincerely,

R. R. Terza  
General Manager  
Clairton Works Raw Materials

NOTICE OF OUTAGE OF EQUIPMENT  
ARTICLE XXI - SECTION 2108.1

1. USS Reference Number: 03-0010
  2. Date & Time of Breakdown: Date: 02/01/03 Time: 1915 hours
  3. Company Name: U.S. Steel Corporation - USS Clairton Works
  4. Specific Equipment Involved or Affected: Sulfur Plant
  5. BAPC Permit Number (if applicable):
  6. Location: Clairton, PA
  7. Nature and cause of breakdown: Gas flow through the Sulfur Plant was disrupted due to the failure of a coupling between the steam turbine and second stage of the 101J Axi. The spare C658 Axi was out for repairs under Outage # 03-0006 and unavailable for service.
  8. Identification of Emissions:
    - A. Type(s) (CO, NOX, SO<sub>2</sub>, Particulates, Hydrocarbons, etc.)  
Hydrogen Sulfide in the down river gas, causing higher SO<sub>2</sub> at the combustion points. The daily average grains of H<sub>2</sub>S exceeded 40 while the spare C658 Axi was brought on-line. No environmental impact is expected while the spare C658 Axi carries the full load.
    - B. Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality). SO<sub>2</sub> is an eye, nose, and throat irritant. No environmental impact is expected while the spare C658 Axi carries the full load.
    - C. Amount of each type emitted (or likely to be emitted).
- | Chemical        | Quantity Released (lbs) |
|-----------------|-------------------------|
| CO              | 680                     |
| SO <sub>2</sub> | 5454                    |
| NC              | 238                     |
| NO <sub>x</sub> | 136                     |
9. Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).  
The C658 Axi was put on-line at 1530 hours on 02/02/03 and terminated the environmental impact. The spare 101J Axi will be available for service upon completion of the repairs.
  10. Facility back in operation - Date:                      Time:                      hours

Signature Coleen M. Davis Date 2/4/03  
Coleen M. Davis

Senior Environmental Control Engineer Phone: 233-1015